

1732
Patent

Docket No: 51932USA8F.017

THE UNITED STATES PATENT AND TRADEMARK OFFICE

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JUL 12 2001

In re Application of:

Hebrink et al.

Serial No.: 09/810,743

Filed: 03/16/01

For: **METHOD FOR MAKING
coPEN/PMMA MULTILAYER
OPTICAL FILMS**

Art Unit:

Examiner:

TG 1700

#3 p/w

7-12-01

CERTIFICATE OF MAILING

I hereby certify that this correspondence is being deposited with the United States Postal Service as First Class Mail in an envelope addressed to: Commissioner for Patents, Washington, DC 20231 on:

July 9, 2001

Date

Gwen J. Ziehl

Signature

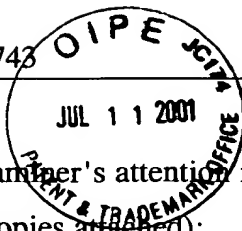
INFORMATION DISCLOSURE STATEMENT

Commissioner for Patents
Washington, D.C. 20231

Dear Sir:

Pursuant to 37 CFR §1.97 and 1.98, enclosed please find a completed form PTO-1449 citing references submitted for consideration during examination of the above-referenced patent application. A copy of each reference cited therein not provided in the parent applications is enclosed. The parent applications are identified as U.S. Serial No. 09/006288, filed 01/13/98, now abandoned, and U.S. Serial No. 09/229724, filed 01/13/99, now abandoned.

The information is filed pursuant to Applicants' Duty of Disclosure and may be material to the Examiner for examination in this case. However, the citation of the attached reference(s) in this Information Disclosure Statement is not intended to constitute an admission that any patent or other reference referred to herein is "prior art" or "relevant" for this invention. In this regard, applicants expressly reserve the right to contest that any of the references constitute "relevant prior art."



The Examiner's attention is also directed to the following co-pending U.S. Patent Applications (copies attached):

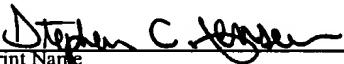
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U.S. Serial No.	Filing Date	Title	Inventors
09/811,200	03/16/01	APPARATUS FOR MAKING MULTILAYER OPTICAL FILMS	Neavin et al.
09/810,916	03/16/01	METHOD FOR MAKING MULTILAYER OPTICAL FILMS	Neavin et al.
09/809,551	03/15/01	METHOD FOR MAKING TEXTURED MULTILAYER OPTICAL FILMS	Stover
09/006,591	1/13/98	COLOR SHIFTING FILM	Weber et al.
08/910,660	08/13/97	MULTILAYER POLYMER FILM WITH ADDITIONAL COATINGS OR LAYERS	Gilbert et al.

Applicants request consideration of these references by the Examiner in regard to the present application, and that the Examiner initial and return the enclosed Form PTO-1449.

It is believed that no fee is due in connection with this Information Disclosure Statement; however, if any such fee is due, please charge to Deposit Account No. 13-3723. Any overpayments are to be credited to the same deposit account.

Respectfully submitted,

Registration Number 35,207	Telephone Number 651-736-3369	Signature 
Date July 9, 2001		Print Name Stephen C. Jensen

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TC 1700

OMB N . 0651-0011

INFORMATION DISCLOSURE STATEMENT	Attorney Docket No.:	Serial No.:
	51932USA8F	09/810,743
	APPLICANTS:	
	Hebrink et al.	
	Filing Date:	Group:
	3/16/01	1732

U.S. PATENT DOCUMENTS

Examiner Initial	Document Number	Date	Name	Class	Sub- Class	Filing Date if applicable
	0,540,768	6/11/1895	Western			
	2,803,552	8/20/57	Stedman			
	3,022,178	8/20/62	Park et al.	106	13	
	3,051,452	8/28/62	Nobel	259	4	
	3,075,228	1/29/63	Elias	15	506	
	3,124,639	3/10/64	Kahn	88	65	
	3,182,965	5/11/65	Sluijters	259	4	
	3,195,865	7/20/65	Harder	259	4	
	3,212,909	10/19/65	Leigh	106	13	
	3,557,265	1/19/71	Chisholm et al	264	47	
	3,565,985	2/23/71	Schrenk et al	264	171	
	3,610,729	10/5/71	Rogers	350	157	
	3,687,589	8/29/72	Schrenk	425	109	
	3,711,176	1/16/73	Alfrey, Jr. et al.	350	1	
	3,759,647	9/18/73	Schrenk et al.	425	131	
	3,773,882	11/20/73	Schrenk	264	171	
	3,819,522	6/25/74	Zmoda	252	89	
	3,825,645	7/23/74	Barthelemy et al.	264	177	
	3,860,036	1/14/75	Newman, Jr.	138	45	
	3,884,606	5/20/75	Schrenk	425	133.5	
	3,897,356	7/29/75	Pociluyko	252	91	
	4,061,462	12/6/77	Gianarelli et al.	425	464	
	4,144,011	3/13/79	Sponaugle			
	4,249,011	2/3/81	Wendling			
	4,446,305	5/1/84	Rogers et al.	528	348	

EXAMINER	DATE CONSIDERED
<small>*Examiner: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.</small>	



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U.S. PATENT DOCUMENTS

Examiner Initial	Document Number	Date	Name	Class	Sub- Class	Filing Date if applicabl
	4,478,909	10/23/84	Taniguchi et al.	428	331	
	4,520,189	5/28/85	Rogers et al.	528	331	
	4,521,588	6/4/85	Rogers et al.	528	363	
	4,525,413	6/25/85	Rogers et al.	428	212	
	4,540,623	9/10/85	Im et al.	428	220	
	4,720,426	1/19/88	Englert et al.	428	344	
	4,848,564	7/18/89	Scheller et al.	206	83.5	
	4,937,134	6/26/90	Schrenk et al.	428	213	
	5,094,788	3/10/92	Schrenk et al.	264	171	
	5,094,793	3/10/92	Schrenk et al.	264	171	
	5,103,337	4/7/92	Schrenk et al.	359	359	
	5,122,905	6/16/92	Wheatley et al.	359	586	
	5,122,906	6/16/92	Wheatley	359	586	
	5,126,880	6/30/92	Wheatley et al.	359	587	
	5,188,760	2/23/93	Hikmet et al.	252	299.01	
	5,211,878	5/18/93	Reiffenrath et al.	252	299.63	
	5,235,443	8/10/93	Barnik et al.	359	37	
	5,269,995	12/14/93	Ramanathan et al.	264	171	
	5,294,657	3/15/94	Melendy et al.	524	270	
	5,316,703	5/31/94	Schrenk	264	1.3	
	5,319,478	6/7/94	Fijnfschilling et al.	359	53	
	5,360,659	11/1/94	Arends et al.	428	216	
	5,389,324	2/14/95	Lewis et al.	264	171	
	5,448,404	9/5/95	Schrenk et al.	359	584	
	5,486,935	1/23/96	Kalmanash	359	37	

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OMB N . 06110011 **TC1700**

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U.S. PATENT DOCUMENTS

Examiner Initial	Document Number	Date	Name	Class	Sub- Class	Filing Date if applicabl
	5,486,949	1/23/96	Schrenk et al.	359	498	
	5,540,978	6/30/96	Schrenk	428	212	
	5,568,316	10/22/96	Schrenk et al.	359	584	
	5,612,820	3/18/97	Schrenk et al.	359	498	
	5,629,055	5/13/97	Revol et al.	428	1	
	5,686,979	11/11/97	Weber et al.	349	96	
	5,699,188	12/16/97	Gilbert et al.	359	584	
	5,721,603	2/24/98	De Vaan et al.	349	194	
	5,744,534	4/28/98	Ishiharada et al.	524	442	
	5,751,388	5/12/98	Larson	349	96	
	5,759,467	6/2/98	Carter et al.	264	173.12	
	5,767,935	6/16/98	Ueda et al.	349	112	
	5,770,306	6/23/98	Suzuki et al.	428	328	
	5,783,120	7/21/98	Ouderkirk et al.	264	134	
	5,793,456	8/11/98	Broer et al.	349	98	
	5,808,794	9/15/98	Weber et al.	359	487	
	5,825,542	10/20/98	Cobb, Jr. et al.	359	487	
	5,825,543	10/20/98	Ouderkirk et al.	359	494	
	5,828,488	10/27/98	Ouderkirk et al.	359	487	
	5,882,774	3/16/99	Jonza et al.	428	212	
	5,940,149	8/17/99	Vanderwerf	349	5	
	5,962,114	10/5/99	Jonza et al.	428	212	
	5,965,247	10/12/99	Jonza et al.	428	212	
	5,976,424	11/2/99	Weber et al.	264	1.6	
	6,111,697	8/29/00	Merrill et al.			

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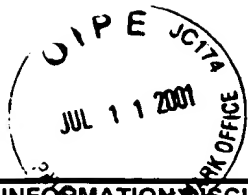


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Filing Date:		Group:					
3/16/01		1732					
U.S. PATENT DOCUMENTS							
Examiner Initial		Document Number	Date	Name	Class	Sub- Class	Filing Dat if applicabl
		6,113,811	9/5/00	Kausch et al.	252	585	
		6,157,490	12/5/00	Wheatley et al.			
		6,179,948	1/30/01	Merrill et al.			
		6,207,260	3/27/01	Wheatley et al.			
		RE, 34,605	5/10/94	Schrenk et al.	359	359	

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FOREIGN PATENT DOCUMENTS

Examiner Initial		Document Number	Date	Country	Class	Sub-Class	Translation
							Yes/No
		0 796 716	9/24/97	EPO			No
		591 055	9/30/93	EPO	B32B	7/02	No
		592 284	9/30/93	EPO	B32B	7/02	No
		616 885	9/28/94	EPO	B21B	27/32	Yes
		24 35 807	2/12/76	Germany	B29F	3/04	Yes
		Hei 6[1994]41,335	2/15/94	Japan			Yes
		WO 92/11996	7/23/92	PCT			No
		WO 95/17303	6/29/95	PCT	B32B	7/02	No
		WO 95/17691	6/29/95	PCT	G02B	5/30	No
		WO 95/17692	6/29/95	PCT	G02B	5/30	No
		WO 95/17699	6/29/95	PCT	G02F	1/1335	No
		WO 95/27919	4/6/95	PCT	G02B	27/28	No
		WO 96/18691	6/20/96	PCT			No
		WO 96/19347	6/27/96	PCT	B32B	7/02	No
		WO 97/01440	1/16/97	PCT	B32B	27/36	No
		WO 97/01774	1/16/97	PCT	G02B	1/10	No
		WO 97/32226	9/4/97	PCT	G02B	5/30	No

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FOREIGN PATENT DOCUMENTS							
Examiner Initial		Document Number	Date	Country	Class	Sub- Class	Translation
		WO 99/06203	2/11/99	PCT	B29C	47/06	Yes/No No
		WO 99/36248	7/22/99	PCT	B29C	47/70	No
		WO 99/36262	7/22/99	PCT	B32B	27/00	No
		WO 99/36812	7/22/99	PCT	G02B	5/30	No

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Examiner Initial		OTHER DOCUMENTS (Including Authors, Title, Date, Pertinent Papers, etc.)	
		, Kirk Othmer Encyclopedia of Chemical Technology,, Vol. 8, Pp. 652-662 (4th Ed. 1993).	
		Ferry, Viscoelastic Properties of Polymers, John Wiley & Sons, New York, 1970, pp. 314-318	
		Schrenk et al., Nanolayer polymeric optical films, Tappi Journal, pp. 169-174, June, 1992	
		Weber et al., "Giant Birefringent Optics in Multilayer Polymer Mirrors", Science, Vol. 287, 3/31/2000, pp. 2451-2456	

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